CLAIM AMENDMENTS

1. [CURRENTLY AMENDED] A method for electronic tuning of a ~~the~~ frequency of a ~~the~~ read oscillation to the frequency of a ~~the~~ stimulation oscillation in a resetting Coriolis gyro, wherein

- a ~~the~~ resonator of the Coriolis gyro has a disturbance force applied to said resonator ~~it~~ such that

a) the stimulation oscillation remains essentially uninfluenced, and

b) the read oscillation is changed such that a read signal which represents the read oscillation, contains a corresponding disturbance component, wherein

- the disturbance force is defined as that force which is caused by a ~~the~~ signal noise in the read signal, and

- the frequency of the read oscillation is controlled such that a ~~the~~ magnitude of the disturbance component, which is contained in the read signal, is as small as possible.

2. [CURRENTLY AMENDED] The method as claimed in claim 1, characterized in that the signal noise is a ~~the~~ noise of a ~~the~~ tapping electronics.

3. [CURRENTLY AMENDED] The method as claimed in claim 1, characterized in that the disturbance component is determined from a signal which is applied to a quadrature regulator in a ~~the~~ quadrature control loop, or is emitted from said quadrature regulator ~~it~~.

4. [CURRENTLY AMENDED] The method as claimed in claim 1 characterized in that the disturbance component is determined from a signal which is applied to a rotation rate regulator in a ~~the~~ rotation rate control loop, or is emitted from said rotation rate regulator ~~it~~.

5. [CURRENTLY AMENDED] The method as claimed in claim 1, characterized in that the frequency of the read oscillation is controlled by controlling an ~~the~~ intensity of an electrical field in which a part of the resonator of the Coriolis gyro oscillates.

6. [CURRENTLY AMENDED] A Coriolis gyro, characterized by a device for

electronic tuning of a ~~the~~ frequency of a ~~the~~ read oscillation to a ~~the~~ frequency of a ~~the~~ stimulation oscillation, having:

- a noise detection unit which determines a ~~the~~ noise component of a read signal which represents the read oscillation, and
- a control unit, which controls the frequency of the read oscillation such that a ~~the~~ magnitude of the noise component, which is contained in the read signal, is as small as possible.

7. [CURRENTLY AMENDED] The Coriolis gyro as claimed in claim 6, characterized in that the noise detection unit determines the noise component from a signal which is applied to a rotation rate regulator in a rotation rate control loop in the Coriolis gyro, or is emitted from said rotation rate regulator ~~it~~.

8. [CURRENTLY AMENDED] The Coriolis gyro as claimed in claim 6, characterized in that the noise detection unit determines the noise component from a signal which is applied to a quadrature regulator in a quadrature control loop in the Coriolis gyro, or is emitted from said quadrature regulator ~~it~~.